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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/372,459	08/11/1999	CORNELIS A.M. JASPERS	PHN-17-061	1417
24737	7590	02/08/2005	EXAMINER	
PHILIPS INTELLECTUAL PROPERTY & STANDARDS P.O. BOX 3001 BRIARCLIFF MANOR, NY 10510			GENCO, BRIAN C	
			ART UNIT	PAPER NUMBER
			2615	

DATE MAILED: 02/08/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/372,459

Applicant(s)

JASPERS, CORNELIS A.M.

Examiner

Brian C Genco

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1,2,5-7 and 10 is/are pending in the application.
- 4a) Of the above claim(s) 3,4,8,9,11 and 12 is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1,5 and 6 is/are rejected.
- 7) ☒ Claim(s) 2, 7, and 10 is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. ____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. ____. |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date ____. | 6) <input type="checkbox"/> Other: ____. |

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Applicant's arguments filed August 19, 2004 have been fully considered by the Examiner but are not deemed persuasive.

Applicant's amendments have overcome the rejections made with USPN 6,269,184 to Spaulding et al.

Applicant argues that Bestenreiner is not believed to teach or suggest an arrangement wherein the $n \times n$ color signal matrix is used to multiply a column vector input color value.

In response, Examiner notes the color transformation equations of Bestenreiner are as follows:

$$R' = Y - (Y - R)/k$$

$$B' = Y - (Y - B)/k, \text{ and}$$

$$G' = Y - (Y - G)/k, \text{ wherein}$$

$$Y = .3R + .11B + .59 G.$$

When multiplied out and written in matrix form the relationship above is as follows:

$$\begin{bmatrix} R' \\ B' \\ G' \end{bmatrix} = \begin{bmatrix} (0.3 + 0.7/k) & (0.11 - 0.11/k) & (0.59 - 0.59/k) \\ (0.3 - 0.3/k) & (0.11 + 0.89/k) & (0.59 - 0.59/k) \\ (0.3 - 0.3/k) & (0.11 - 0.11/k) & (0.59 + 0.41/k) \end{bmatrix} \times \begin{bmatrix} R \\ B \\ G \end{bmatrix}$$

As such, Bestenreiner is clearly shown to disclose adjusting an $n \times n$ color signal matrix used to multiply a column vector input color value wherein all of the matrix related values are adjusted according to the value of k .

Allowable Subject Matter

Claims 2, 7, and 10 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. See Paper No. 10 for the reasons for allowance.

Claim Rejections - 35 USC § 102

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claims 1, and 5 are rejected under 35 U.S.C. 102(b) as being anticipated by (USPN 4,605,954 to Bestenreiner et al).

In regards to claim 1 Bestenreiner et al, herein Bestenreiner, discloses a method of adjusting an $n \times n$ color signal matrix where n is a number of primary colors in a chosen color space, the method comprising:

adjusting (VAC) a single first color signal matrix related value to obtain a color signal matrix adjustment (e.g., adjusting the value k in equations 3a and 3b; column 4, lines 47-60; column 5, lines 18-27); and

automatically adapting (AAC) at least two color signal matrix parameters other than said single first color signal matrix related value in dependence upon said color signal matrix

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parameter adjustment (e.g., the modified red R', and blue B' values are automatically adjusted based on the adjustment of k; column 5, lines 18-27).

In regards to claim 5 see examiners notes on the rejection of claim 1.

Claim Rejections - 35 USC § 103

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claim 6 is rejected under 35 U.S.C. 103(a) as being unpatentable over (USPN 4,605,954 to Bestenreiner et al).

In regards to claim 6 Bestenreiner does not explicitly disclose that the color signal matrix adjustment occur in a camera. Bestenreiner does disclose that initially a color image signal is sensed in a conventional manner and then printed on a display or a printer (e.g., column 3, line 61 – column 4, line 2). Therefore it would have been obvious to one of ordinary skill in the art to have sensed the image in the conventional manner of using a camera to sense the image since it is a widely used and conventional method of sensing a color image. Therefore the camera would subsequently use the color image signal matrix adjustment to adapt the color image signal for display on the camera as is known in the art and taught by Bestenreiner.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Brian C. Genco who can be reached by phone at 703-305-7881 or by fax at 703-746-8325. The examiner can normally be reached on Monday thru Friday 8:30am to 4:30 pm. Due to the impending move of the Patent and Trademark Office this contact information will soon change. Effective on or around March 2, 2005 Brian C. Genco will be able to be reached by telephone at 571-272-7364 or by fax at 571-273-7364.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's acting supervisor, Thai Tran can be reached at 703-305-4725. Effective on or around March 3, 2005 Thai Tran can be reached at 571-272-7382. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the customer service office whose telephone number is 703-308-4357.

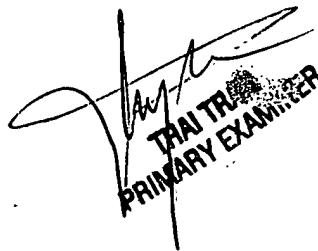
Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications

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may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Brian C Genco
Examiner
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January 24, 2005



TRAI TRAI
PRIMARY EXAMINER